

Summary

1. Internal combustion engine with reducing agent-generating unit and operation method for this.
  - 2.1. An internal combustion engine with a reducing agent-generating unit (20) for the generation of an H<sub>2</sub>-containing and/or NH<sub>3</sub>-containing reducing gas, which can be added to the exhaust gas line (2) upstream from an NO<sub>x</sub> reducing catalytic converter (3) is proposed, as well as a procedure for the operation of such an internal combustion engine.
  - 2.2. According to the invention, the reducing agent-generating unit (20) consists of an NO<sub>x</sub> generation step and an H<sub>2</sub> generation step in serial arrangement. For the procedure, it is provided that, at least temporarily, NH<sub>3</sub> is formed by chemical reaction by the reducing agent-generating unit (20) from NO<sub>x</sub> produced in the NO<sub>x</sub> generation step.
  - 2.3. Application in motor vehicles, especially in passenger vehicles with Diesel engines.
3. Fig. 1